

Yorkshire Dales National Park

Forecast valid from 06:00 on Friday 14 Jul 2023 until 23:59 on Saturday 15 Jul 2023

Forecast Issued on Friday 14 Jul 2023 at 01:10

Confidence: High confidence in main themes until Tuesday, including unseasonably wet and windy spell Friday into Saturday. Confidence lowers significantly on Tuesday with a further weather system arriving.

Headline for Friday 14 Jul 2023: Unseasonably wet and windy. Activities best confined to lower slopes.

Mountain weather hazards on Friday 14 Jul 2023

Blizzards

No Likelihood

Gales

Low Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

High Likelihood

Storm force winds

No Likelihood

Poor visibility

High Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Light rain	Heavy Rain	Heavy Rain	Heavy Rain	Light rain
Precipitation probability					
30%	20%	80%	80%	80%	30%

Forecast for Friday 14 Jul 2023

Weather: Some light rain and drizzle is expected during the early hours and into daybreak. Probably largely fine for a time early in the morning in perhaps the most favourable conditions for the day as a whole, although this will be short-lived, and significant deterioration is then likely. Extensive arriving cloud bearing persistent and occasionally heavy rain will move in on strengthening winds before lunchtime. Rain eventually easing into the evening, but ragged cloud remaining, as winds remain strong.

Chance of cloud-free hill tops above 600m: Soon deteriorating to become near nil.

Low Cloud and visibility: Broken down to 400 metres in the south especially at first, with ragged bases, perhaps improving to near the highest ground by the end of the day. Visibility often hampered by rain, often moderate.

Forecast for Friday 14 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/16 S	13/19 S	16/23 SE	22/33 SE	24/35 SE	20/29 S	20/30 SW
300	6/14 S	9/18 S	12/22 SE	16/33 SE	17/36 SE	13/27 S	13/28 S
Valley	6/16 SE	9/17 SE	11/22 SE	14/31 SE	16/35 SE	12/27 S	12/26 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/8	12/9	12/9	11/8	11/8	13/10	11/8
300	12/12	15/13	14/12	14/11	14/11	15/13	13/11
Valley	14/13	16/15	16/14	15/13	15/12	16/14	14/12
Freezing Level*	2700m	2400m	2600m	3100m	3300m	2900m	2500m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Winds are likely to peak as drier evening conditions arrive, with caution advised given deceptive shelter in some valleys.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Fri 14 Jul 2023	0mm	10mm	18.6mm

Forecast for Saturday 15 Jul 2023

Weather: A brighter but no less windy day than on Friday, with frequent sharp blustery showers blowing through, perhaps thundery and may merge to give longer spells of rain in places. Tending to become cloudier and windier with time.

Maximum wind: Increasing Southwesterly 40mph.

Chance of cloud-free hill tops above 600m: 70%, but note hazardous summit conditions.

Low Cloud and visibility: Broken cloud around 700 metres, visibility good but with frequent deterioration in showers.

Temperature: **Valleys:** Plus 11 becoming plus 20 degrees Celsius.
At 600m: Plus 12 degrees Celsius.
Freezing level: Well above the summits.